

ANTIMICROBIAL PAPER PRODUCT

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Inventor: MIYAMOTO KENICHI; MAKINO KIMIHIRO
Applicant: NICCA CHEMICAL CO LTD
Classification:
- **international:** D21H21/36; A47K7/00; C08G18/83; C08K5/31;
C08L1/00; C08L97/00; D21H17/50
- **european:**
Application number: JP20000080684 20000322
Priority number(s):

Abstract of JP2001271293

PROBLEM TO BE SOLVED: To provide antimicrobial paper product that has excellent antimicrobial effect against a variety of microorganisms and can minimize the elution of the components developing the antimicrobial properties.

SOLUTION: The objective antimicrobial paper product is characterized by comprising a paper material and a polyguanidine salt represented by general formula (1) (wherein R1 and R2 may be identical or different and represent each a divalent aliphatic hydrocarbon group, a divalent aromatic hydrocarbon group or a divalent alicyclic hydrocarbon group; HX is a mineral acid or an organic acid; p is an integer of 1-250).

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11. Polyguanidine salt for preparation of antibacterial paper

CAS SECTION- 143

CAS SUBSECTION- 007

CAS 135-19 135-274463 135:274463 NDN- 213-0488-6998-2

INVENTOR(S)- Miyamoto, Kenichi; Makino, Kimihiro

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PATENT TYPE- Jpn. Kokai Tokkyo Koho

PATENT ASSIGNEE(S)- Nikka Chemical Industry Co., Ltd.

INTERNATIONAL PATENT CLASS- D21H0213600; A47K0070000; C08G0188300;
C08K0053100; C08L0010000; C08L0970000; D21H0175000

SUBFILE CODE- MAC

LANGUAGE- Japan

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NO-ABSTRACT

IDENTIFIER(S)- polyguanidine phosphate antibacterial paper

CAS REGISTRY/EC NUMBER(S)- 89697-78-9 --PP **HEADING PARENT-**

Poly(iminocarbonimidoylimino-1,6-hexanediyl)

CAS REGISTRY/EC NUMBER(S)- 298700-47-7 --PP **HEADING PARENT-**

Poly(iminocarbonimidoylimino-1,2-ethanediyl)

CAS REGISTRY/EC NUMBER(S)- 362632-69-7 --PP **HEADING PARENT-** Ethane --1,2-
diisothiocyanato-

CAS REGISTRY/EC NUMBER(S)- 362632-69-7 --PP **HEADING PARENT-** 1,2-
Ethanediamine

CAS REGISTRY/EC NUMBER(S)- 362632-71-1 --PP **HEADING PARENT-** Hexane --
1,6-diisothiocyanato-

CAS REGISTRY/EC NUMBER(S)- 362632-71-1 --PP **HEADING PARENT-** 1,6-
Hexanediamine